



16 OZ.
MODEL
#20016A



ALUMINUM CUTTING FLUIDS

- When the majority of your work is on aluminum, this is the most effective cutting fluid you can use, providing excellent performance for any and all cutting operations.
- For drilling, boring, reaming, milling, facing, turning, threading, tapping, dryseals, broaching, engraving and sawing.
- Improves surface finish, machinability and extends tool life.

SIZE	WEIGHT	MODEL #	ORDER #	REG. PRICE	SALE PRICE
4 oz.	0.38 lbs.	20004A	81-002-928RA	\$5.92	\$5.21
12 oz.	1 lb.	20012AL	81-002-930RA	16.43	14.46
16 oz.	1.33 lbs.	20016A	81-002-932RA	15.89	13.98
1 Gallon	9.5 lbs.	20128A	81-002-934RA	90.62	79.75
5 Gallon	42 lbs.	20640A	81-002-936RA	355.67	312.99



ROUT-A-BURR SETS

Style B



MODEL #SV-22



MODEL #SV-29

- For light to medium duty applications.

Includes:

- (1) Mango handle.
- (1) B10 blade.
- (1) B20 blade.
- (1) Blade holder B.

**SAVE
UP TO
25%**

◆ Optional Mango II Handle Available As Order #99-001-516RA, Priced At \$8.67.

DESCRIPTION	MODEL #	ORDER #	REG. PRICE PER SET	SALE PRICE PER SET
Universal Plastic Handle	SV-22	99-001-001RA	\$17.40	\$13.92
Aluminum Handle	SV-29	99-001-005RA	22.34	17.87



DIRECT READING PRECISION DIAL CALIPERS

White Face • With Covered Rack

RANGE	GRADUATION	MODEL #	ORDER #	REG. PRICE	SALE PRICE
0 - 4"	.001"	TDC-4	57-015-009RA	\$50.31	\$37.73
0 - 6"	.001"	TDC-6	57-015-006RA	51.55	38.66
0 - 8"	.001"	TDC-8	57-015-007RA	77.35	58.01
0 - 12"	.001"	TDC-12	57-015-008RA	120.95	90.71
0 - 150mm	.01mm	TDC-150	57-015-005RA	55.96	44.77
0 - 300mm	.01mm	TDC-300	57-015-015RA	124.55	93.41



MODEL #TDC-6

**SAVE
UP TO
25%**

- Accuracy: $\pm .001"$ per 6"
- Direct reading to .001" on large clear dial.
- Adjusting slide for fine adjustment.
- .100" per revolution.



ELECTRONIC DIGITAL CALIPERS

**SAVE
25%**



READ MEASUREMENTS IN INCH OR METRIC FORMAT ON A LARGE VIEWING SCREEN

- Provide you with easy readings and accurate English and Metric measurements at a fraction of the price of popular brand name calipers on the market.
- Inch/metric conversion.

- With depth gage.
 - Remembers origin in the off position.
- Includes:**
- (1) Battery.

RANGE	RESOLUTION	MODEL #	ORDER #	REG. PRICE	SALE PRICE
0 - 4" (0 - 100mm)	.0005" (.01mm)	EC210	57-016-077RA	\$45.13	\$33.85
0 - 8" (0 - 200mm)	.0005" (.01mm)	T3508	57-016-384RA	76.19	57.14
0 - 12" (0 - 300mm)	.0005" (.01mm)	T3512	57-016-061RA	98.43	73.82
Replacement Battery		SR44	57-016-064RA	6.29	5.35



DRY® LONGLIFE AUTOMATIC PENCIL AND REFILLS

Construction Pencil For Professional Craftsmen



MODEL #3030/SB
SHOWN WITHOUT HOLDER



MODEL #3030/SB

- Stop the constant frustration of broken leads: 2.8mm thick lead offers durability and resistance to breakage that standard 1.2-1.9mm mechanical pencil leads can't!
- Use it, never lose it: high visibility holder's unique 2-catch point clip readily secures holder to your shirt pocket or tool belt, so it's always at hand and easy to find.
- Range of lead colors allow you to boldly make your mark, anywhere: the availability of high contrast leads allow you to write and maintain legibility on even the darkest surfaces.
- For use on almost all surfaces: no matter if dry or wet, glossy or rough, dusty or oily.



MODEL #4020/SB

MODEL #4030/SB

MODEL #4040/SB

DESCRIPTION	COLOR	PACKAGE QUANTITY	MODEL #	ORDER #	REG. PRICE	SALE PRICE
DRY® Longlife Automatic Pencil	Graphite	1	3030/SB	57-079-308RA	\$14.03	\$13.33
Water-Soluble Refill Leads, Assorted Colors	(2) Red, (2) Yellow, (4) Graphite	8	4020/SB	57-079-309RA	8.34	7.92
Water-Soluble Refill Leads, Graphite	(10) Graphite	10	4030/SB	57-079-310RA	10.60	10.07
Water Jet Resistant Refill Leads, Assorted Colors	(3) Green, (2) White, (3) Blue	8	4040/SB	57-079-311RA	8.54	8.11



MAGNETIC BASES

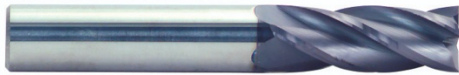
**SAVE
25%**



- Accepts all AGD dial indicators.
- 110 lbs. of permanent magnetic holding power.
- On/off switch.

DO YOU NEED...
Accessories? Please Call.

DESCRIPTION	MODEL #	ORDER #	REG. PRICE	SALE PRICE
Standard	MB-001	57-080-001RA	\$30.75	\$23.06
Fine Adjustment	MB-BV	57-080-003RA	35.93	26.95



- Multi-layer coating used in wet, semi-dry to dry cutting of most steels and highly abrasive materials.
- Provides good thermal stability for increased speeds and feeds that offers excellent heat resistance, good lubricity, better finishes and prolongs tool life.

- For rough and general machining applications of high temperature exotic materials, high cobalt and high nickel alloys including 200 & 300 series stainless steels.

TOLERANCES:

Cutting Diameter:	+0" / -0.002"
Shank Diameter:	+0" / -0.0005"

SAVE UP TO 35%

SIZE	SHANK DIAMETER	LENGTH OF CUT	OVERALL LENGTH	ORDER #	MFR. LIST	SALE PRICE
1/16"	1/8"	3/16"	1-1/2"	20-501-804RA	\$21.14	\$13.82
5/64"	1/8"	1/4"	1-1/2"	20-501-805RA	21.14	13.82
3/32"	1/8"	3/8"	1-1/2"	20-501-806RA	21.14	13.82
7/64"	1/8"	3/8"	1-1/2"	20-501-807RA	23.05	15.07
1/8"	1/8"	1/2"	1-1/2"	20-501-808RA	18.46	12.07
5/32"	3/16"	9/16"	2"	20-501-810RA	29.83	19.50
3/16"	3/16"	5/8"	2"	20-501-812RA	29.04	18.99
1/4"	1/4"	3/4"	2-1/2"	20-501-816RA	37.88	24.77
5/16"	5/16"	7/8"	2-1/2"	20-501-820RA	48.02	31.40
3/8"	3/8"	7/8"	2-1/2"	20-501-824RA	62.45	40.83
1/2"	1/2"	1"	3"	20-501-832RA	77.82	53.87
5/8"	5/8"	1-1/4"	3-1/2"	20-501-840RA	159.64	110.52
3/4"	3/4"	1-1/2"	4"	20-501-848RA	252.72	165.24

TTC PRECISION AGD DIAL INDICATORS

EASY TO READ 2" DIAL

- Satin chrome finish.
- Interchangeable hardened contact point.
- Approximate dial size: 2"
- Reading: 0-100
- Lug back with 1/4" hole is integral with the case.

SAVE 20%



RANGE	GRADUATION	DIAL COLOR	MODEL #	ORDER #	REG. PRICE	SALE PRICE
INCH						
0 - 1"	.001"	White	PDI-C2	57-030-000RA	\$30.16	\$24.13
0 - 2"	.001"	White	PDI-C4	57-029-990RA	63.74	50.99
METRIC						
0 - 25mm	.01mm	White	PDI-25mm	57-029-812RA	\$62.20	\$49.76

TTC ALL-ANGLE "V" BLOCK & CLAMP

- For grinding, milling or drilling work.
- Made of hardened and precision ground tool steel.
- Sides are parallel and vee is central and ground.
- Central hole is provided for drilling or removing pins.
- "V" block has (4) 3/8"-16 tapped holes, (2) in the base and (1) on each side for angle iron clamping.
- Block is provided with black oxidized clamp.
- Parallelism tolerance of Vee axis to base: within .0003"/8 microns



DIMENSIONS L x W x H	HOLDING CAPACITY	MODEL #	ORDER #	REG. PRICE	SALE PRICE
3-5/8" x 1-7/8" x 1-7/8"	1-5/16"	MVB-0544	57-053-050RA	\$87.90	\$70.32

TTC ADJUSTABLE MILL STOP

CAN BE USED FOR HORIZONTAL + VERTICAL MILLING SET-UPS



- Designed for milling machines and jig bores.
- Use with angle plates, vises, jigs, etc., to serve as a rigid stop.
- 1/2" hole for T-slot mounting, 3/8" diameter rod.
- Base dimensions: 2" x 4.14"
- Overall height: 7"
- Weight: 1.5 lbs.

Model #IGB-101
ORDER #99-008-011RA

\$30.26 EA.

Reg. Price \$35.60

TTC 10 PAIR "THIN STYLE" STEEL PARALLEL SET
1/8" Thick x 6" Length



- Made from high quality alloy steel.
- Hardened and ground from 1/8" stock.
- (2) Holes in each parallel.
- Height: 1/2" to 1-5/8"

Includes:

- (1) Pair each of sizes: 1/6", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2" and 1-5/8"

SAVE 25%

Model #T.S.P-400
ORDER #57-101-400RA

\$80.99 SET

Reg. Price \$107.99

8 PIECE 3/8" 4 FLUTE SOLID CARBIDE SPIRAL FLUTE END MILL PACKAGE

Center Cutting • 30° Helix • Right Hand

- For general purpose use on all materials.
- Produces a finer finish compared to 2 or 3 flute end mills.
- Regular length.
- Flute length: 7/8"
- Overall length: 2-1/2"
- Includes:**
- (8) Each of 3/8" cutter diameter end mills.

BUY IN BULK AND SAVE BIG MONEY

ORDER #20-501-076RA

\$203.40 PKG.

Mfr. List \$311.08



Only: **\$25.43**
Per End Mill

TTC STANDARD MACHINISTS STEEL SQUARES & SETS
"Work Shop Grade"



MODEL #S-236

BUY SETS + SAVE

- Used for layout or test square work.
- Accuracy: .0008" + L/10,000
- Squares have accurate right angles both inside and outside.
- Beams and blades are ground and accurately lapped for straightness and parallelism.
- Made from the finest steel.
- Hardened blade.

APPROXIMATE DIMENSIONS		ORDER #	REG. PRICE	SALE PRICE
BLADE	BEAM			
2-3/8"	1-3/8"	57-100-002RA	\$22.23	\$18.90
3-1/8"	2"	57-100-003RA	24.74	21.03
5"	3"	57-100-004RA	27.82	23.65
6-3/4"	4"	57-100-006RA	35.91	30.52
10-1/2"	6-3/8"	57-100-009RA	56.25	47.81
14"	6"	57-100-012RA	83.65	71.10
Set Of 3 Squares Includes: 2-3/8", 3-1/8", 5"		57-100-234RA	61.90	52.62
Set Of 4 Squares Includes: 2-3/8", 3-1/8", 5, 6-3/4"		57-100-026RA	91.20	77.52

TTC HP 6 PIECE 3/4" SHANK HIGH SPEED STEEL SINGLE END MILL SETS
Uncoated & TiN Coated

# OF FLUTES	UNCOATED				TIN COATED			
	MODEL #	ORDER #	REG. PRICE PER SET	SALE PRICE PER SET	MODEL #	ORDER #	REG. PRICE PER SET	SALE PRICE PER SET
2	D12-ST	08-035-901RA	\$214.75	\$193.28	D12S-TiN	09-335-901RA	\$321.53	\$257.22
Multiple*	D2-ST	08-005-901RA	214.75	193.28	D2S-TiN	09-305-901RA	321.53	257.22

*Multiple flute end mills are non-center cutting.

Includes:

- Sizes: 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-1/2"
- Supplied with wooden block



MODEL #D12S-TiN